

Title (en)
METHOD FOR MONITORING A NETWORK COMPONENT, AND ARRANGEMENT COMPRISING A NETWORK COMPONENT AND A MONITORING DEVICE

Title (de)
VERFAHREN ZUM ÜBERWACHEN EINER NETZWERKKOMPONENTE SOWIE ANORDNUNG MIT EINER NETZWERKKOMPONENTE UND EINER ÜBERWACHUNGS-EINRICHTUNG

Title (fr)
PROCÉDÉ SERVANT À SURVEILLER UN COMPOSANT DE RÉSEAU ET ENSEMBLE COMPRENANT UN COMPOSANT DE RÉSEAU ET UN SYSTÈME DE SURVEILLANCE

Publication
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Application
EP 16714339 A 20160324

Priority
• DE 102015205607 A 20150327
• EP 2016056565 W 20160324

Abstract (en)
[origin: WO2016156207A1] The invention relates to a particularly high-performance and at the same time comparably easily implementable method for monitoring a network component (10). The network component (10) carries out (s2) a calculation which checks the correct functionality of the network component (10) using data which is specific to a state of the network component (10). The calculation result is transmitted (s3) from the network component (10) to a monitoring device (20). The monitoring device (20) checks (s4) the state of the network component (10) and the correct functionality of same using the transmitted calculation result. A request message with at least one parameter which is specific to the respective request is preferably transmitted from the monitoring device (20) to the network component (10), and the specific parameter is used by the network component (10) in the calculation process. This offers the advantage that the monitoring device ensures that the result transmitted from the network component has actually been calculated in an up-to-date manner. In this manner, errors can be detected to the effect that a malfunction or a failure of the functionality of the network component has occurred. However, this malfunction or failure is masked in that the network component accesses a calculation result ascertained at a previous point in time and transmits same to the monitoring device. By means of a cyclical monitoring process, it is thus possible to use the network components (10) for safety-relevant applications, in the railway sector for example. In the process, the network component carries out a safety-relevant function without having been implemented as a corresponding safety-relevant device according to the DIN EN 50159 standard for example.

IPC 8 full level
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CPC (source: CN EP US)
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Citation (search report)
See references of WO 2016156207A1

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Designated extension state (EPC)
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